

In the claims:

1. (Previously Presented) A seed planting assembly comprising:
5 a laterally extending tool bar;
a planting unit including a planting unit frame supported by the tool bar,
wherein the planting unit frame carries:
i. a seed trench opening assembly operable to create a seed trench;
ii. a seed delivery assembly delivering seeds into the seed trench; and
10 iii. a seed trench closing assembly operable to close the seed trench;
a mounting assembly pivotally linking the planting unit frame with the tool bar,
wherein the mounting assembly permits the planting unit to raise and lower with respect to
the tool bar; and
a vertical positioner including a first linkage connected to the mounting assembly, and
15 a second linkage connected to the first linkage at a positioner joint and further in
communication with the frame, wherein the second linkage can be actuated to raise the
planting unit;
wherein the mounting assembly includes an upper and lower beam member, each of
which in communication with the tool bar at a forward end, and in communication with the
20 planting unit frame at a rearward end.
2. (cancelled)
3. (Previously Presented) The seed planting assembly as recited in claim 1,
wherein the first linkage is connected to the lower beam member, and wherein the second
linkage is connected to the upper beam member.
4. (Presently Presented) The seed planting assembly as recited in claim 3,
wherein the second linkage is connected to the upper beam member at a location between the
planting unit and the positioner joint.
5. (Previously Presented) The seed planting assembly as recited in claim 3,
wherein the first and second linkages are pivotally connected to the mounting assembly.

6. (Previously Presented) The seed planting assembly as recited in claim 3, wherein the lower beam member defines a plurality of locations spaced along the lower beam and configured to connect to the first linkage.

7. (Previously Presented) The seed planting assembly as recited in claim 1,
5 wherein the second linkage defines a slot operable to receive an actuating lever.

8. (Previously Presented) The seed planting assembly as recited in claim 1, wherein the first linkage further comprises a stop that engages the second linkage when the planting unit is raised.

9. (Previously Presented) The seed planting assembly as recited in claim 1,
10 wherein the first linkage is connected to the lower beam member, and wherein the second linkage is connected to the planting unit.

10. (Currently Amended) A method for changing a vertical position of a seed planting assembly including 1) a seed trench opening assembly operable to create a seed trench, 2) a seed delivery assembly delivering seeds into the seed trench, and 3) a seed trench
15 closing assembly operable to close the seed trench, the method comprising the steps of:
supporting ~~the~~ a planting unit on a tool bar via a mounting assembly that permits the planting unit to raise and lower with respect to the soil;

actuating a lever in communication with the mounting assembly via a vertical position to change the vertical position of the seed planting assembly relative to the tool bar;
20 wherein the mounting assembly is in pivotal communication with the tool bar at a forward end, and in pivotal communication with the planting unit at a rearward end;
further comprising placing the lever in pivotal communication with the mounting assembly;

further comprising actuating a vertical positioner including a first linkage connected
25 to the mounting assembly and a second linkage connected to the planting unit, wherein the first and second linkages join at a positioner joint;

further comprising engaging the second linkage with a stop disposed on the first linkage when the planting unit is raised.

11. (Cancelled)

Patent Appl. Ser. No. 10/731,361
Group Art Unit: 3671

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (New) A method for changing a vertical position of a seed planting assembly including 1) a seed trench opening assembly operable to create a seed trench, 2) a seed delivery assembly delivering seeds into the seed trench, and 3) a seed trench closing assembly operable to close the seed trench, the method comprising the steps of:

supporting the planting unit on a tool bar via a mounting assembly that permits the planting unit to raise and lower with respect to the soil;

actuating a lever in communication with the mounting assembly via a vertical position to change the vertical position of the seed planting assembly relative to the tool bar;

wherein the mounting assembly is in pivotal communication with the tool bar at a forward end, and in pivotal communication with the planting unit at a rearward end;

further comprising placing the lever in pivotal communication with the mounting assembly;

further comprising actuating vertical positioner including a first connected to the mounting assembly and a second linkage connected to the planting unit, wherein the first and second linkages join at a positioner joint;

Patent Appl. Ser. No. 10/731,361
Group Art Unit: 3671

wherein the mounting assembly further comprises upper and lower beam members in communication with the tool bar at a forward end, and in communication with the planting unit at a rearward end;

further comprising engaging the first linkage with one of a plurality of mounting locations disposed on the lower beam member.